

**RC.No.2313/SG I (2)/2022**



**Office of the  
Director General of Police/  
Head of the Police Force,  
Tamil Nadu, Chennai.**

**Dated:05.05.2022**

**Quotation Notice**

Sealed quotations are invited from the OEM's/Authorized firms towards the supply of following material. The sealed cover should be addressed to "The Asst. Inspector General of Police (MPF), O/o the Director General of Police/Head of the Police Force, Tamil Nadu, Chennai-4". The Sealed quotations should be reached to the above address on or before **24.05.2022 at 14.00 hrs.** The sealed quotation will be opened in presence of the bidders on **25.05.2022 at 11.00 hrs.** in the chamber of AIG (MPF), O/o the DGP/HoPF, Chennai-04..

S.No.	Name of the item	Required Quantity
1	Breath Analyzers	15 Nos.

2) The price bid should be in the following format

S.No	Name of the item	Basic price per unit	GST	Total price per unit including GST	Qty	Total Cost for entire quantity including GST

**TERMS AND CONDITIONS:**

1.	The supplier shall make security deposit of 5% of the total amount in the form of Demand Draft drawn in favour of "The Assistant Inspector General of Police, MPF" within 3 working days from the date of receipt of purchase order.
2.	The items should be supplied within 15 days from the date of receipt of purchase Order as per the Specification.
3.	The supplier will be liable to replace the rejected/damaged items within 2 days failing which the amount will be adjusted against the security deposit.
4.	In the case of goods of inferior quality supplied, the contract will be cancelled and goods shall be purchased from open market, and the difference in price may be recovered from the awarded bidder.

5.	If the supplier fails to supply the item within the stipulated time incorporated in the purchase order, the contract will be cancelled and security deposit will be forfeited apart from taking other legal action by this Department.
6.	It must be noted that the purchase order will be issued to the firm quoting the lowest price for the above item.
7.	No advance payment will be made under any circumstances.
8.	There should not be any erasing or over-writing whatsoever in the quotation.
9.	The vendor is bound to maintain their offers validity up to one year from the date of starting of the work.
10.	The payment will be made through ECS on receipt of pre-receipted bill.
11.	No separate charges shall be paid for delivery of goods by this Department.
12.	The vendors are requested to read and understand the terms and conditions of the contract mentioned in the forgoing paragraphs before sending their quotation, as no violation of the aforesaid terms and conditions shall be permitted once the quotation is accepted by this office.

**Encl:** Specification.

**To:**

V. Patwari  
09/15/12

For Director General of Police

23  
9/15/12



## SPECIFICATION - BREATH ANALYZER WITH CAMERA

SL. No.	SPECIFICATION PARAMETERS	
1	Technology	Electro Chemical Fuel Cell Sensor High Specify to alcohol should not be affected by other possible breath contaminants .
2	Sampling Method	Deep Lung Exhalation sample should be drawn into the sensor. The Blow technology will be based on Hygienic blow type where in the testing officer is protected from air borne infections like COVID, SARS, H1N1, etc.
3	Sampling mode	Active and passive. In passive mode no need for any additional attachments for testing. By a simple start button press, device should draw the breath sample. In Active mode, device should have audio visual indication of blow failure for non deep lung air sample.
4	Concentration Range	0-500 mg / 100 ml of Blood Alcohol Concentration (BAC)
5	Accuracy	+/- 5% or better %
6	Mouth piece and Design of Mouth Piece.	It should be able to filter out sputum and oral contaminants such as pan masala etc so that it should not reach fuel cell and damage it. It should have non-return valve. The capacity that the exhaled breath from the subject is not directed to the testing officer to avoid passing on air-borne infection to the testing officer is mandatory. Should not be based on side blow technology. Possible to use a Locally available straw as well to save per test cost as well as maintain hygienicity between users is essential.
7	Duration of Testing and recovery	Duration of sample taken should be between 3 to 6 seconds. After a test of 100mg/100ml BAC, the instrument should recover in less than 10 seconds for the next test without any manual intervention
8	Operating Temperature Range	0 to 50 degree Celsius
9	Memory & Data Transfer	Minimum 50,000 measured values and Data to be downloaded to a PC through USB cable
10	Resolution	1 mg / 100 ml of blood
11	Minimum Record fields	Full information as per the user requirements like driver name, vehicle no. Inspector Name, Test result with time, location, longitude and latitude for GPS.
12	Power Supply	Inbuilt rechargeable / Li-ion battery (or better) should withstand for taking 250 +/- 50 tests on a single charge
13	Printer	Inbuilt Thermal printer with standard 57mm paper only. Paper should be locally available easily.
14	GPS	Shall be capable to display the Geographic location to Longitude and Latitude

15	Camera	Shall be able to capture the clear & identifiable image of the person under test with inbuilt memory card 32 GB Memory card shall be provided and shall not be less than 4 Mega Pixel with wide angle.
16	Accessories	Suitable carry case, Battery charger, Sterile Mouth Piece, Hygienic Straw (2000 per machine) cut to Length, USB Cable to connect to Computer, Installation CD, User Manual
17	Switches and Buttons (Touch screen or Key Pad)	Touch screen display to feed alphanumeric characters.
18	Alert and Indication	LEDs to indicate status of power, charging. Alarm includes blow fail, positive result and low battery.
19	Warranty	Three years Warranty.
20	Calibration	Every 6 months if necessary.
21	Certification	Manufacturing Standard : Should have standard certification issued from NABL accredited labs for Environmental working range.
22	Service Requirements	Three years Warranty Good service and spare support after purchase and on the spot servicing is preferable. LOCAL SERVICE CENTER IS A MUST. Provide service Engineers contact Number and e-mail ID etc.